

JUNE

AT THE
CALIFORNIA ACADEMY OF SCIENCES

JUNE MEETINGS

Places & Times: Matinee, 2:30 p.m., Wednesday June 13

Evenings, 8:00 p.m., Wednesday and Thursday, June 13-14

Place: May Treat Morrison Auditorium

Speaker: Tui De Roy

Subject: "A LIFETIME IN THE GALAPAGOS"

Seventeen of the total 19 years of Miss De Roy's life have been spent living amidst the stark splendor of the Galapagos Islands. She was born in Belgium but at the age of two was taken by her parents to the "enchanted isles" and it was not until she was fifteen that she ventured even as far as mainland Ecuador. Her brother Gil was born on the Ecuadorian archipelago and the two children were educated at home by their natural history-minded parents. Thus, she has always been sensitively aware of her surroundings and the unique biota inherent to her existence.

Her intelligent awareness coupled with a talent as a photographer result in 35mm color transparencies that are, to say the least, breathtaking, be her camera focused on an animal, a plant or a section of sweeping geography around her.

Three presentations as indicated and your membership card will admit you through the main entrance of Cowell Hall. At the matinee performance you will be asked to show it once again at the auditorium entrance.

MORRISON PLANETARIUM

"SPACESHIP EARTH" continues in the Theatre of the Stars through June 17. Two experiences worth combining when visiting the Academy — this sky show followed by a long, contemplative look at the great geophysical and oceanographic world globe in Cowell Hall. A revelatory message comes through loud and clear. Beginning June 21:

"COSMIC EVOLUTION," which will play through September 9. A survey of the ever-changing concepts of our universe. The summer schedule of performances begins with this presentation: Daily at 12:30, 2:00, 3:30 and 8:00 p.m. Extra shows late afternoons on Saturdays, Sundays and holidays. Admission is one dollar for adults and half-price for those 17 and under.

SPECIAL EXHIBITS

"CETACEA," a major Academy exhibit devoted to the titans of the deep. Material includes a suspended skeleton, handcrafted models of 27 different species, plus photographs and text accenting conservation and research. Cowell Hall indefinitely.

"BIRD AND ANIMAL SCULPTURE" by Wheatley Allen of Mendocino and Peter Bishop Allen of Stinson Beach. In Hohfeld Gallery through June. All items are for sale and their purchase will benefit the Academy.

"NATURE ABSTRACTIONS," a repeat showing of the arresting black-and-white photographic enlargements by Staff Photographer Lloyd Ullberg. Lower Gallery, Cowell Hall.

"MAN AND NATURE (As interpreted by the Indians of North America)" continues in Cowell Hall.

PLEASE NOTE: Beginning Saturday, June 16, all public areas of the Academy may be enjoyed during the evening hours until nine o'clock — a fine opportunity to escape the summertime crowds and enjoy your CAS in relative peace and quiet. This late closing policy will maintain through Labor Day, Monday, Sept. 3.

News and Notes

Young people nine to 16 who are inclined toward things scientific and who wish to devote at least a portion of their summer holiday in rewarding study will find a bonanza in the Junior Academy's program of classes. New courses never before offered will be included in the total of eighteen found in the curricula for the two summer sessions. Registration will be on Saturday, June 23 in Morrison Auditorium from ten in the morning until four in the afternoon. Fees for the courses range from three to five dollars each. Junior Academy membership is a prerequisite.

Here is a list of the courses being offered, all under the tutelage of experts in their field: Aquatic Organisms, Herpetology, Taxidermy, Botany, Practical Observational Astronomy, Ichthyology, Entomology, Nature Study, Ornithology, An Introduction to the Physical Sciences, Introduction to Evolution, Mammalogy, Minerals and Rocks, Introduction to Geology, Fossil Study, Tidepool Life of Northern California, Ecology of the Coastal Range of Central California, and Introductory Chemistry. To point up the general quality of the instruction consider the fact that three Ph.D.'s will be in charge of the course in Ichthyology.

If you are interested please write the Academy or telephone 221-5100 and ask for a Summer 1973 Catalogue.

Imagine, if you will, an aquamarine five inches in diameter, 13½ inches long, and weighing in at 35,000 carats. This is the most recent dazzling addition to the display in the new gem room off the entrance to the Hall of Minerals and is a generous gift to the Academy from Victor J. ("Trader Vic") Bergeron. Only seeing is believing!

April 26 brought the welcome news from the National Science Foundation of its grant to the Academy in the amount of \$54,000 in support of a project entitled "Catalogue of Fossil and Recent Diatoms" which will be carried out under the supervision of Dr. Sam L. VanLandingham, Research Associate in the Department of Geology. The grant became effective May 15 and will expire on October 31, 1975.

Announcing The Academy's Wildlife Theatre Series

TEN SATURDAYS OF FREE FILMS IN OUR MORRISON AUDITORIUM

Three showings at 12:45, 2:15, and 3:45 p.m. The first showing will be reserved for Academy members and their guests. Present your membership card. The following two screenings will be free to the general public (as well as to our members). All programs (two films each) will last approximately one hour.

June 30	SUDDENLY IT'S SPRING <i>Spring Marsh Sounds of Nature</i>
July 7	DOWN UNDER IN AUSTRALIA <i>Birds That Never Fly Marloo: The Red Kangaroo</i>
July 14	LET'S GO TO CANADA! <i>Red Deer Valley Alberta Outdoors</i>
July 21	DOWN TO THE BRINY DEEP <i>Between the Tides Wildlife By Air</i>
July 28	SOUTH AMERICAN WAY <i>Venezuelan Prairie Delta of the Orinoco</i>
August 4	SEE AMERICA FIRST! <i>Queen of the Cascades Untamed Olympics</i>
August 11	ALL ABOUT PELICANS <i>Return to Pelican Island The Great White Pelican</i>
August 18	AUSTRALIAN ODDITIES <i>Koala Menura: The Lyrebird</i>
August 25	LIVING WATER <i>Land of the Drowned River Soliloquy of a River</i>
Sept. 1	AFRICAN ADVENTURE <i>Kenya-Uganda Safari Down South Up the Nile</i>

MEET THE STAFF



JAMES T. CARLTON, Senior Scientific Assistant in the Department of Invertebrate Zoology, first became involved with the Academy as a volunteer as far back as 1964, proceeded to becoming an Associate in the Department in 1969, and then, in 1971 assumed his present status. He has also been an Instructor in the Junior Academy since 1970.

Born in Fort Worth, Texas, Jim received a Bachelor of Arts degree in Paleontology from the University of California at Berkeley in 1971 with additional emphases in invertebrate physiology and zoology and languages (he does some reading and speaking in French, German, Russian, and Spanish).

He has long been involved with the many facets of his study of marine invertebrates — lecturing, presenting papers, acting in an advisory capacity with various boards, writing, editing, field tripping — all the while continuing his personal research and laboratory experimentation.

With Dr. Ralph I. Smith, he is currently winding up the revision (3rd Edition) of "Lights Manual, Intertidal Invertebrates of the Central California Coast" published by the University of California Press — a standard work used by numerous educational institutions.

He is particularly interested in the estuaries of the Pacific Coast and the distribution and biology of their introduced species. As a change of pace from his daily duties, he often journeys to the Bodega Marine Laboratory and the pursuit of projects there.

Jim is fascinated by linguistics and hopes to continue a work he has in mind involving the history of American slang, jargon, argot and clichés.

ACADEMY MEMBERS' TRIPS FALL 1973

Bay Ecological Cruise. Saturday, Sept. 22, 9-4 p.m. Cruise the Bay with members of the Academy's scientific staff. Study the bird life and ecology of our diminishing Bay. Bring a picnic lunch. Members only. \$10.00 per person. Limit 275.

Mt. Lassen National Park. Oct. 6-7-8. Limited to 40 persons. Cost: \$65.00 each **not including meals.** Includes round-trip transportation and sharing twin-bedded room for two nights at Childs Meadows.

Mushroom Walk. Conducted by Dr. Robert T. Orr. Date to be announced in early Fall. One day. No charge. Limited participation.

Reservations accepted in order received and will be confirmed. Sorry, no telephone reservations. For further information call 221-5100, Ext. 63. Checks to be made payable to California Academy of Sciences and mailed to: Travel Committee, California Academy of Sciences, Golden Gate Park, San Francisco, CA 94118.

Reservations for Bay Cruise:

..... persons at \$10.00 per person. Total \$.....

Mt. Lassen National Park:

..... persons at \$65.00 per person. Total \$.....

Name _____

Telephone: Office.....

Home.....

Address _____

City Zip.....

Preliminary Announcement: To Southern Mexico. Jan.-Feb. 1974. (Additional information will be in the Sept.-Oct. issue of PACIFIC DISCOVERY).

Trip will cover Mexico City, Oaxaca, Yucatan Peninsula and Palenque. Two sections of 20 members each. (1) January 16-30, 1974. (2) Jan. 30-Feb. 13, 1974. Cost: Not over \$850.00. Deposit of \$75.00 to be paid to Gulliver's Travel, 3597 Sacramento St., San Francisco, CA 94118.

RECENT SCIENTIFIC PUBLICATIONS OF THE CALIFORNIA ACADEMY OF SCIENCES

OCCASIONAL PAPERS

"Fossil Chitons from the Mesozoic — A Checklist and Bibliography." Allyn G. Smith. No. 103. April 27, 1973. 25c

"Report on a Collection of Amphibians and Reptiles from Turkey." Richard J. Clark and Erica D. Clark. No. 104. April 27, 1973. 50c

"Types of Thysanoptera in the Collection of the California Academy of Sciences." Paul H. Arnaud, Jr. and Vincent F. Lee. No. 105. April 27, 1973. 75c

"Ochteridae from Western and Southern Africa. (Hemiptera: Heteroptera)". Nicholas A. Kormilev. No. 106, April 27, 1973. 25c

"Preliminary Report on a Study of Fossil Silicoflagellates from Oamaru, New Zealand." York T. Mandra, A. L. Brigger and Higoohi Mandra. No. 107. April 27, 1973. 25c

NEW MEMBERS OF THE ACADEMY

REGULAR MEMBERS

Mr. Brad Artson
Miss Mary Esta Ashton
Miss Sylvia Davis Bulin
Mr. Joseph A. Cahill
Mr. Robert W. Casey
Miss Lori Corbett
Mr. David Drowley
Mr. Gabriell J. Feher
Miss Patricia A. Fordham
Mr. John Franklin
Miss Nancy E. Fuller
Miss Carol L. Held
Mr. Ronald G. Henderson
Mr. Al Iannotti
Mr. Michael Jeffrey Wong

Miss Loretta Juhas
Mr. Henry Lin
Mr. Gary Earl Manchester
Mr. Royal Marsh
Mrs. Lawrence J. Miller
Miss Patricia Ann McCarthy
Mr. Donald McGrew
Miss Jewel McKenna
Mr. Mark K. Neville, Jr.
Mr. Charles R. Scott
Miss Jennie J. Smith
Mr. & Mrs. John Sorensen
Mr. Charles Stadelman
Mr. Robert Tani

FAMILY MEMBERS

Mrs. Mary Beth Alban
Prof. & Mrs. Russell Broadhead
Mr. Richard K. Chapman
Mr. & Mrs. Roger Chin
Mr. & Mrs. Dan J. Desmond, Jr.
Mr. Clifford Felchle
Mr. Patrick A. Fong
Lt. Col. Herbert E. Garcia (Ret)
Mr. Joel W. Goodman
Mrs. Bonnie M. Graham
Mr. R. E. Grussenmeyer
Mr. & Mrs. Albert E. James
Dr. Joel T. Janvier

Dr. & Mrs. N. R. Lampert
Mr. & Mrs. John Sterling Lane
Mr. Mark J. Leialoha
Mr. Stephen W. Lewis
Mr. & Mrs. Gilbert J. Longtin
Mrs. Dorothy E. Miller
Mr. & Mrs. Chester R. Mueller
Mrs. Dolores L. Nangle
Mr. & Mrs. Joel Pimsleur
Dr. & Mrs. P. P. Poliak
Mr. Donald D. Quackenbush
Mr. Dennis R. Quintana
Mr. Harold Riley Stone
Mr. Stephen A. Williams

CONTRIBUTING MEMBERS

Mr. & Mrs. C. T. Oliphant, Jr. Miss Helen M. Thiel
Mrs. Winifred Valens

LIFE MEMBER

Mr. Scott L. Danielson

6
Non-Profit Organization
U. S. POSTAGE
PAID
San Francisco, Calif.
Permit No. 7544

506
C128 AA
Copy 1
no. 402

CALIFORNIA
ACADEMY OF SCIENCES
JUN 1 1973
LIBRARY

No. 402 • Published Monthly by the
CALIFORNIA ACADEMY
OF SCIENCES
GOLDEN GATE PARK
SAN FRANCISCO 94118
(415) 221-5100
Open every day of the year

JUNE 1973

ACADEMY
NEWSLETTER

GRAPHIC
ARTS
OF MARIN INC

Printed on 100% Recycled Paper